

Contributors to This Issue

PAUL J. BURKE, B.S., 1940, College of the City of New York; Ed.M., 1950, Harvard University; Faculty, Vineland, N. J., High School, 1943-45; Cooperative Test Service, 1945-48; Educational Testing Service, 1948-49; Columbia University, 1950-53; Bell Telephone Laboratories, 1953—. He has been engaged in telephone traffic studies. Member Operations Research Society of America; Institute of Mathematical Statistics, American Statistical Association, American Association for the Advancement of Science, Harvard Engineering Society, Phi Beta Kappa, Phi Delta Kappa.

STANLEY J. ELLIOTT, B.S.E.E., 1937, and M.S.E.E., 1938, University of California; Bell Telephone Laboratories, 1938—. Mr. Elliott was first engaged in fundamental contact studies. During World War II he took part in development work on airborne radars, fire control radar and other military projects. He later turned to development of glass-enclosed switches and relays and wire-spring relays. He was a coordinator for Bell Laboratories with outside suppliers in development of apparatus for guided missile systems. In 1953 he was named Switching Apparatus Engineer with responsibility for work on central office apparatus and some military devices. In April, 1959 he was appointed Military Systems Development Engineer. Member A.I.E.E., I.R.E., American Society for Quality Control, Phi Beta Kappa, Sigma Xi, Eta Kappa Nu, Tau Beta Pi.

E. N. GILBERT, B.S., 1943, Queens College; Ph.D., 1948, Massachusetts Institute of Technology; M.I.T. Radiation Laboratory, 1944-46; Bell Telephone Laboratories, 1948—. Mr. Gilbert has been engaged in studies of information theory and switching theory. Recipient M.I.T. Applied Mathematics Fellowship, 1946-48. Member American Mathematical Society.

DAVID W. HAGELBARGER, A.B., 1942, Hiram College; Ph.D., 1947, California Institute of Technology; faculty, University of Michigan, 1946-49; Bell Telephone Laboratories, 1949—. His first work was with the electron dynamics group on development of microwave tubes. Since 1952 he has specialized in special purpose computers, automata and

switching research. He recently developed a new error-correcting code. Member I.R.E., American Physical Society, Sigma Xi.

BELA JULESZ, Dipl. in Electrical Engineering, 1950, Budapest (Hungary) Technical University; Candidate in Technical Sciences, 1956, Hungarian Academy of Sciences; Bell Telephone Laboratories, 1956—. He is engaged in studies of systems for reducing television bandwidth, with emphasis on problems of pattern recognition. Member I.R.E.

C. Y. LEE, B.E.E., 1947, Cornell University; M.S.E.E., 1949 and Ph.D., 1954, University of Washington; John McMullen Regional Scholar at Cornell, 1944-47; instructor, electrical engineering, University of Washington, 1948-51; Bell Telephone Laboratories, 1952—. Mr. Lee has been engaged in mathematical research in switching systems development. He was a visiting member of the Institute for Advanced Study in the School of Mathematics during the academic year 1957-58. Member Sigma Xi, Eta Kappa Nu.

EDWARD F. MOORE, B.S., 1947, Virginia Polytechnic Institute; M.S., 1949, and Ph.D., 1950, Brown University; assistant professor, University of Illinois, 1950-51; Bell Telephone Laboratories, 1951—. He has been engaged in mathematical research on switching circuit design, automata theory and information theory. Member American Mathematical Society, Association for Computing Machinery, Association for Symbolic Logic, I.R.E., Sigma Xi, Phi Kappa Phi.

H. EARLE VAUGHAN, B.S. in C.E., 1933, Cooper Union; Bell Telephone Laboratories, 1928—. He was first engaged in work on voice operated devices and studies of the effects of speech and noise on voice frequency signaling systems. During World War II he worked on anti-aircraft computers, fire-control radar and other military projects. He was later concerned with digital techniques and systems and electronic switching systems. He was appointed Switching Systems Research Engineer in 1955 and Director of Systems Research in 1957. Senior Member I.R.E.